

# Biological Sciences Research Symposium Talk Schedule

## 9:00-10:30 AM April 19<sup>th</sup>, 2019

### Evolution, Ecology, and Behavior Talks Room 240

- 9:00 AM Jake Grothjan      Getting By With A Little Help From My Friends: How Pitcher Plant Carnivory Is Supported By A Eukaryotic And Microbial Food-web
- 9:15 AM Subhomita Ghosh Roy      Biological Indicators of Toxic Stress in Wetland Sediments
- 9:30 AM Allison Driskill      The Glass Menagerie: Defining the Components of the Si Cycle in Lake Michigan
- 9:45 AM Lily Gierke      Ranking Salish Sea Bull Kelp Forests on Their Connectivity Value; a Graph Theoretical Approach
- 10:00 AM Clint Sergi      Causes of Variation in Black Widow Web Architecture

### Undergrad Talks Room 250

- 9:00 AM Jennifer Wendlick.      The Role of Laminin in Shaping the Cells that Form the Midbrain-Hindbrain Boundary
- 9:15 AM Austen Norberg      Analysis of Penetration of Colloidal Carbon (India Black Ink) in Blood Clots by Light Microscopy
- 9:30 AM Katrina Degenhardt      A Resurvey of a Prairie Restoration Using Small-Scale Disturbances Shows Increasing Benefits Over Time

### Cell and Molecular Biology Talks Room 260

- 9:00 AM Cammy Truong      Quantifying the Penetration of Platelet-targeted in Plasma and Whole Blood Clots by Utilizing Silver Enhancement and Light Microscopy
- 9:15 AM Sumona Dhara      Identifying Regulatory Factors Governing Regeneration Associated Gene (RAG) Expression During CNS Axon Regeneration in Zebrafish
- 9:30 AM Brittany Vanderhoof      Förster Resonance Energy Transfer Analysis to Investigate the Oligomeric Structure of Tissue Factor
- 9:45 AM Sarah Sarich      Reduced Growth and Survival in Larval Zebrafish With Cabin1 Gene Knockout is Associated With Defects in Jaw Morphology and Visual Function

### **Microbiology Talks Room 280**

- 9:00 AM Rachel Conrad      Secreted Virulence Factors of the Fish Pathogen *Flavobacterium columnare*
- 9:15 AM Zachary Zawada      Characterizing Nitrogen-fixing Symbiosis in Basal Legume *Chamaecrista fasciculata*
- 9:30 AM Chandrima Ghosh      Novel Substrates for Budding Yeast Kinases Kin1 and Kin2, the Orthologs of the Human Microtubule Affinity-Regulating Kinase
- 9:45 AM Lindsay Reed      Metabolic Flexibility: Mixotrophic Growth Using Acetate with Two Green Algal Species
- 10:00 AM Kerry Brown      The Connection between Mitochondrial Function and Snf1
- 10:15 AM Nicole Thunes      Identification of *Flavobacterium columnare* Virulence Factors and Preliminary Attempts at Vaccine Development.